

1) Border Roads Organisation (**BRO**), celebrated its **Raising Day** on **07 May 2018**. It is its 58 years of glorious service to the nation.

2) WHO has released draft **recommendations on limiting the intake of trans fats**. These draft recommendations, the first since 2002, are aimed at controlling non-communicable diseases (NCDs), which are responsible for an estimated 39.5 million death (72%) of the 54.7 million deaths worldwide in 2016.

Trans fatty acids (TFAs) or Trans fats are the most harmful type of fats which can have much more adverse effects on our body than any other dietary constituent. These fats are largely produced artificially but a small amount also occurs naturally. Thus in our diet, these may be present as Artificial TFAs and/ or Natural TFAs.

3) A committee set up by the Centre to prepare a report on the issue of **inter-country parental child abduction** has questioned one of the basic principles of the Hague Convention by arguing that the return of the child to his or her habitual residence may not necessarily be in the best interest of the child. The Committee recently submitted its report to the Women and Child Development Ministry.

The **Justice Rajesh Bindal Committee** was set up last year to suggest a model legislation to safeguard the interest of the child as well those of the parents when an NRI (Non Resident Indian) marriage goes sour and one of the parents flees from one country to another with the child.

4) For the conservation of **Indus dolphins** – one of the world's rarest mammals – the Punjab government along with WWF-India are conducting the first organised census on their population. These blind species that communicates through echo like bats do, Indus dolphins are one of the seven freshwater dolphins found across the world. It is listed by the IUCN as endangered on its red list of threatened species.

IUCN suspects the population size of the Indus river dolphins has reduced by more than 50% since 1944.

5) **Brown peach aphid:**

Aphids feed on the saps of plants, attacking plant tissues that transport food to all different plant parts. The brown peach aphid *Pterochloroides persicae* is a notorious pest of peach and almond trees in the Mediterranean regions. In India, the aphid was recorded for the first time in the 1970s from Himachal Pradesh and Punjab. The tiny (nearly 3 mm long) aphids thrived best during the months of April, May, September and October.

6) NASA has launched **Interior Exploration using Seismic Investigations, Geodesy and Heat Transport**, the first-ever mission to study the **heart of Mars**. It was launched on board Atlas 5 rocket. InSight is part of NASA's Discovery Program, managed by the agency's Marshall Space Flight Center in Huntsville, Alabama. The findings of Mars' formation will help better understand how other rocky planets, including Earth, were and are created. But InSight is more than a Mars mission – it is a terrestrial planet explorer that would address one of the most fundamental issues of planetary and solar system science – understanding the processes that shaped the rocky planets of the inner solar system (including Earth) more than four billion years ago.

7) China has launched the **APStar-6C** communications satellite on a Long March-3B/G2 '**Chang Zheng-3B/G2**' launch vehicle. APSTAR-6C is based on CASC DFH-4 platform equipped with 45 transponders in C, Ku, and Ka bands, with a designed service life of 15 years.

8) **GravityRAT:**

It is a malware allegedly designed by Pakistani hackers. The RAT was first detected by **Indian Computer Emergency Response Team, CERT-In**, on various computers in 2017. It is designed to infiltrate computers and steal the data of users, and relay the stolen data to Command and Control centres in other countries. The 'RAT' in its name stands for **Remote Access Trojan**, which is a program capable of being controlled remotely and thus difficult to trace.

GravityRAT's function as an **Advanced Persistent Threat (APT)**, which, once it infiltrates a system, silently evolves and does long-term damage.



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